FIG. 1

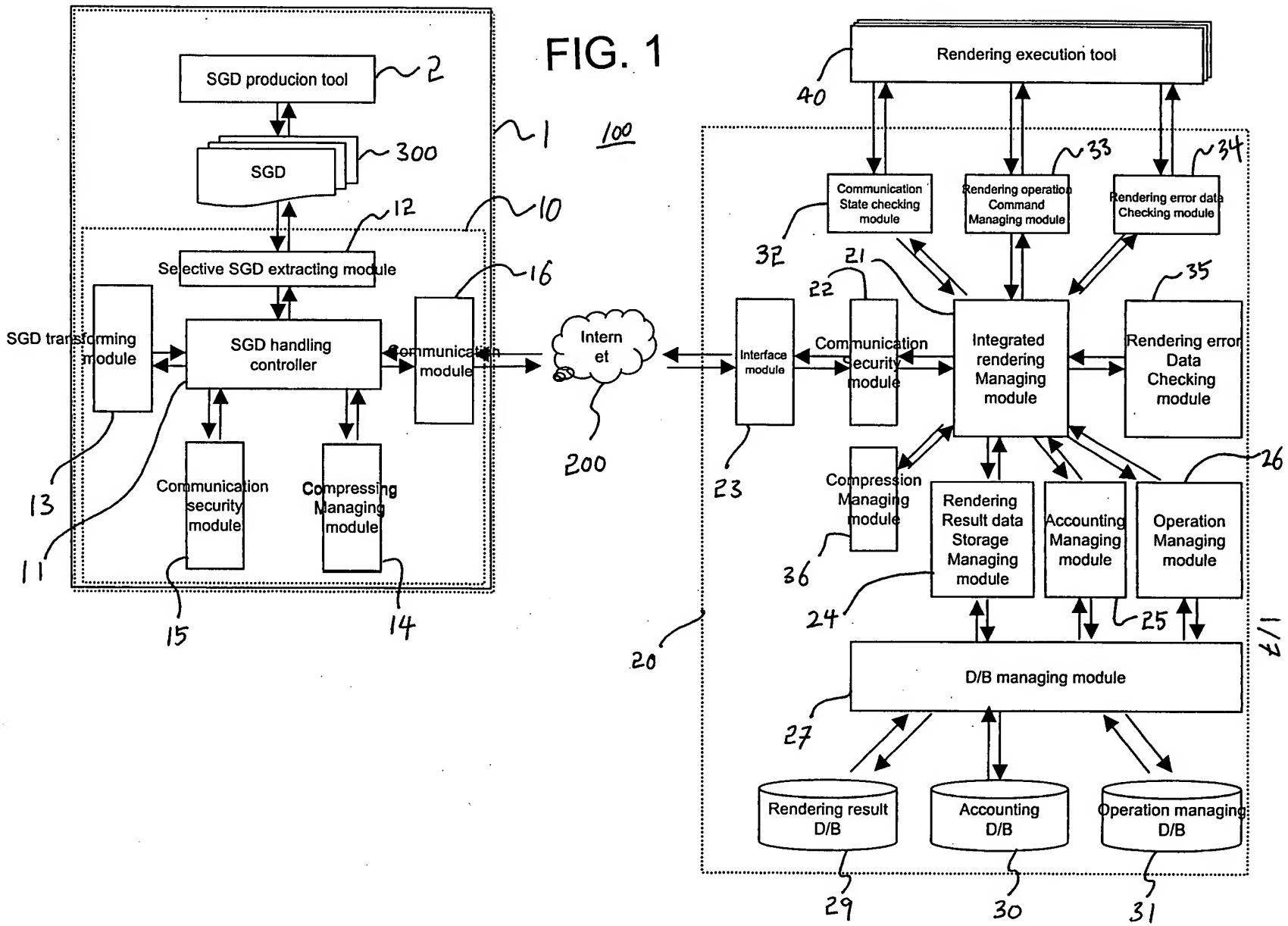

SGD producion tool
2
SGD
300
1
100
10
12
Selective SGD extracting module
16
SGD transforming module
SGD handling controller
Communication module
Intern et
200
13
11
Communication security module
Compressing Managing module
15
14
Rendering execution tool
40
Communication State checking module
Rendering operation Command Managing module
33
Rendering error data Checking module
34
32
21
22
35
Interface module
Communication Security module
Integrated rendering Managing module
Rendering error Data Checking module
23
Compression Managing module
26
36
Rendering Result data Storage Managing module
Accounting Managing module
Operation Managing module
24
25
20
D/B managing module
27
Rendering result D/B
Accounting D/B
Operation managing D/B
29
30
31

FIG. 2

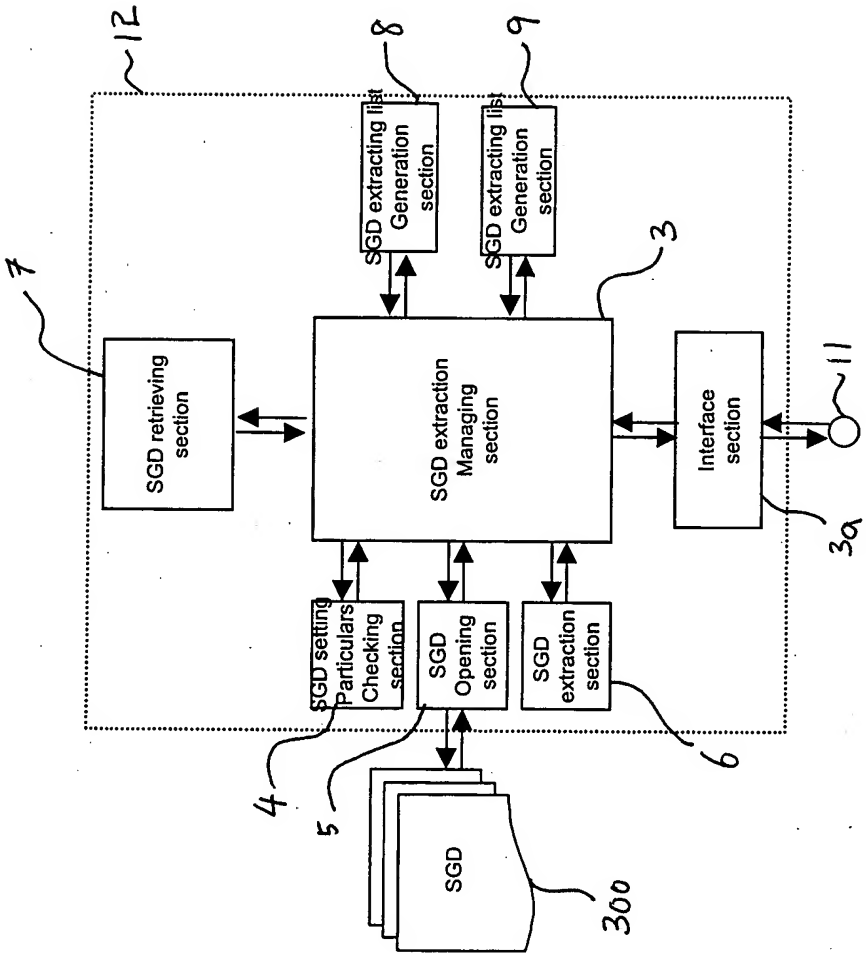

12
8
9
7
3
SGD extracting list Generation section
SGD extracting list Generation section
SGD retrieving section
SGD extraction Managing section
Interface section
11
3a
SGD setting Particulars Checking section
SGD Opening section
SGD extraction section
4
5
6
SGD
300

FIG. 3

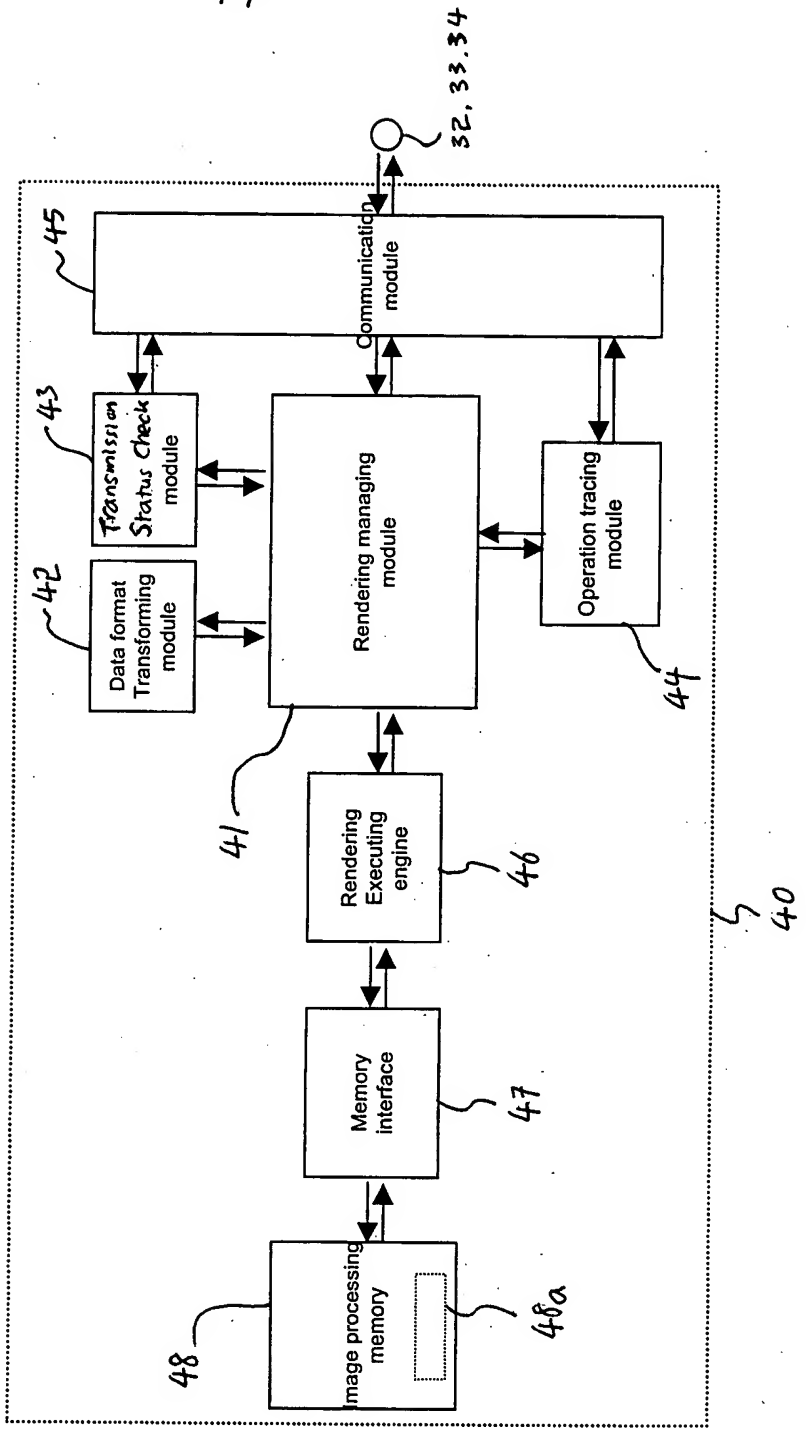
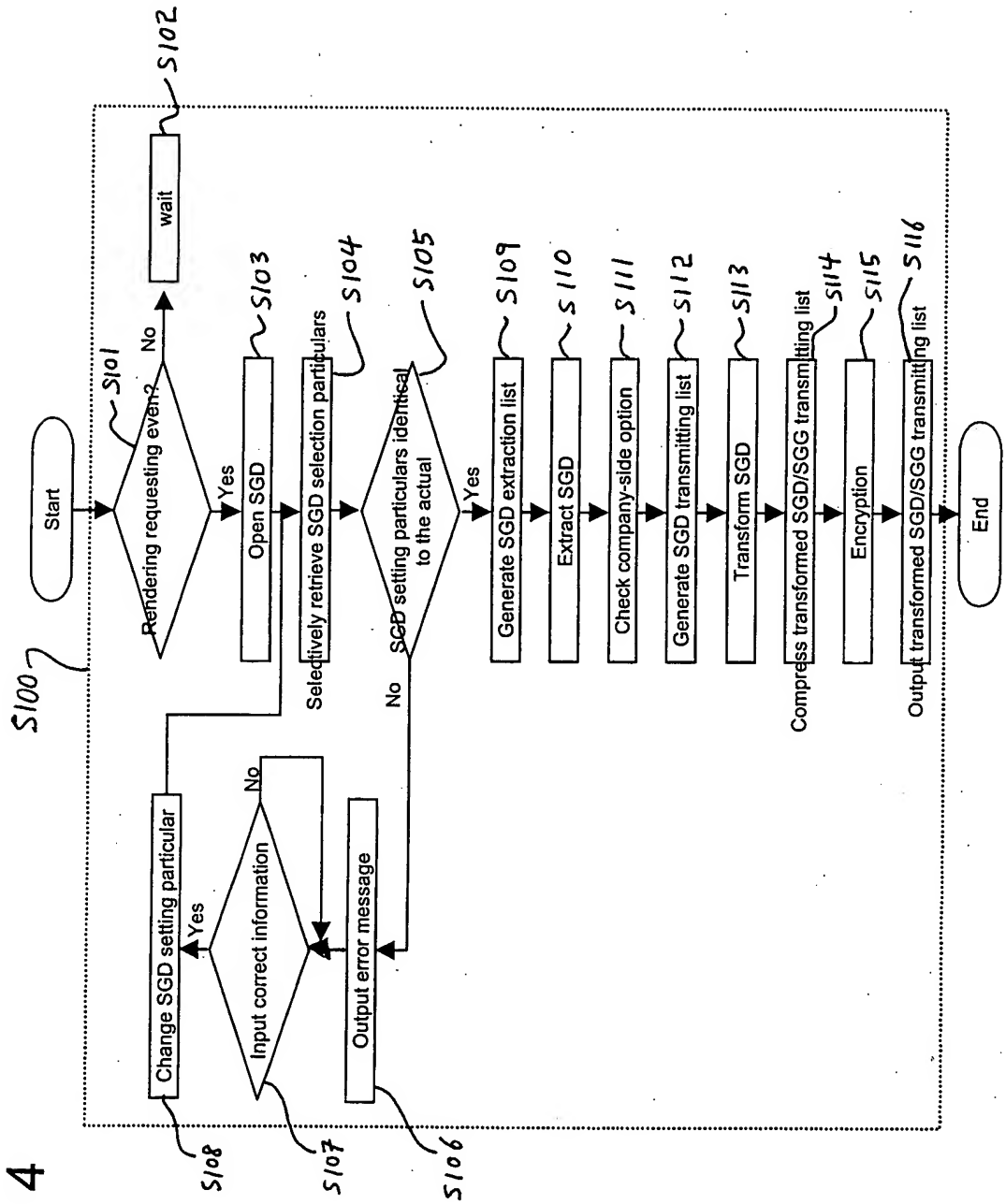

32, 33, 34
45
Communication module
43
Transmission Status Check module
42
Data format Transforming module
Rendering managing module
Operation tracing module
44
41
Rendering Executing engine
46
40
Memory interface
47
48
Image processing memory
48a

FIG. 4


S100
Start
S101
Rendering requesting even?
No
wait
S102
Yes
Open SGD
S103
Selectively retrieve SGD selection particulars
S104
SGD setting particulars identical to the actual
S105
No
Yes
Generate SGD extraction list
S109
Extract SGD
S110
Check company-side option
S111
Generate SGD transmitting list
S112
Transform SGD
S113
Compress transformed SGD/SGG transmitting list
S114
Encryption
S115
Output transformed SGD/SGG transmitting list
S116
End
Change SGD setting particular
S108
Input correct information
No
Yes
S107
Output error message
S106

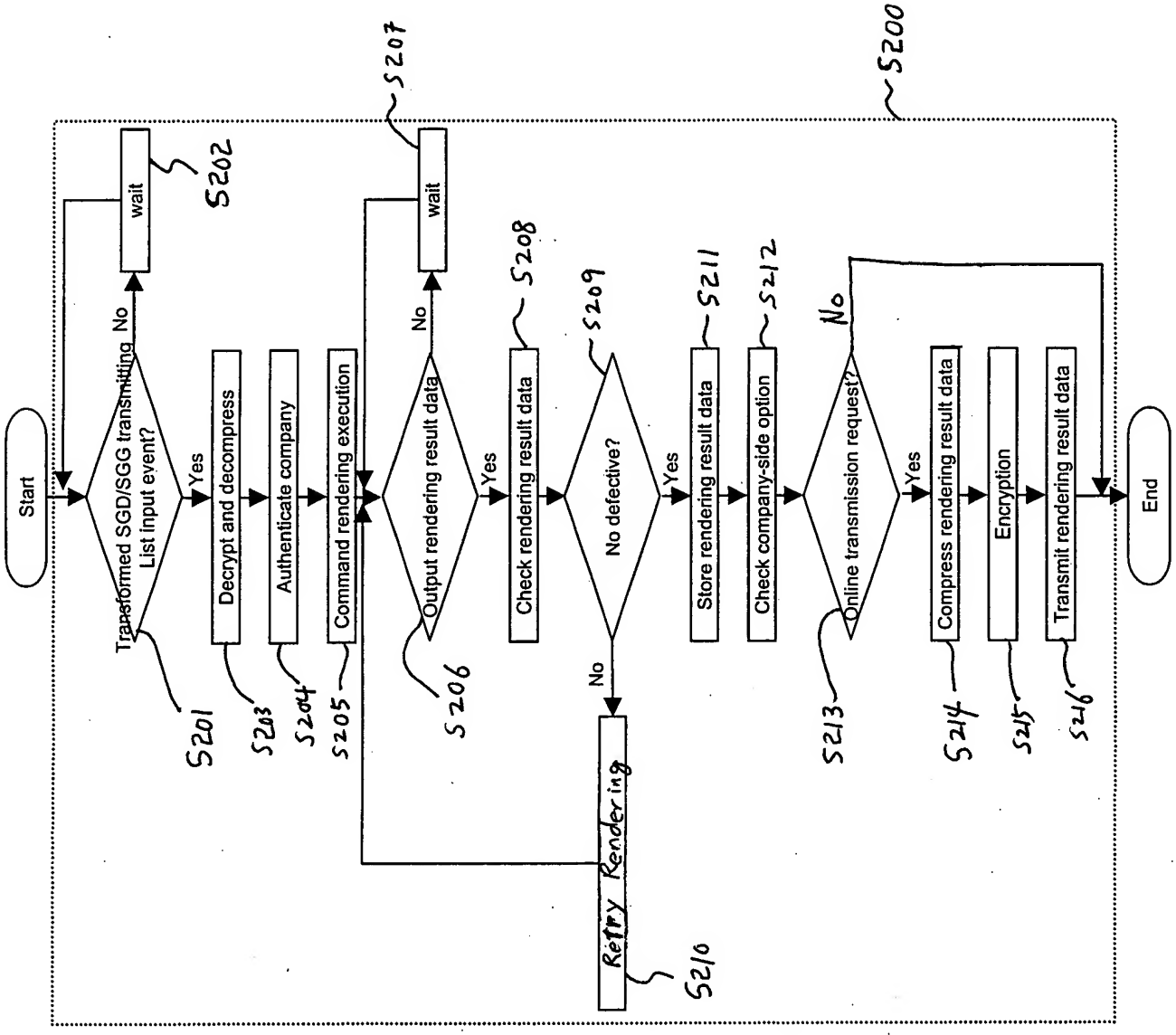

Start
Transformed SGD/SGG transmitting List input event?
No
Yes
wait
S202
S201
Decrypt and decompress
S203
Authenticate company
S204
Command rendering execution
S205
Output rendering result data
No
Yes
wait
S207
S206
Check rendering result data
S208
No defective?
No
Yes
S209
Retry Rendering
S210
Store rendering result data
S211
Check company-side option
S212
Online transmission request?
No
Yes
S213
Compress rendering result data
S214
Encryption
S215
Transmit rendering result data
S216
End
S200

FIG. 5

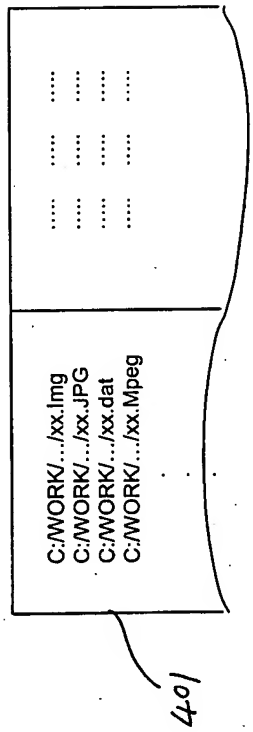

C:/WORK/.../xx.Img
C:/WORK/.../xx.JPG
C:/WORK/.../xx.dat
C:/WORK/.../xx.Mpeg
401

FIG. 6

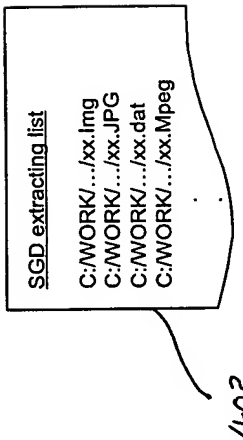
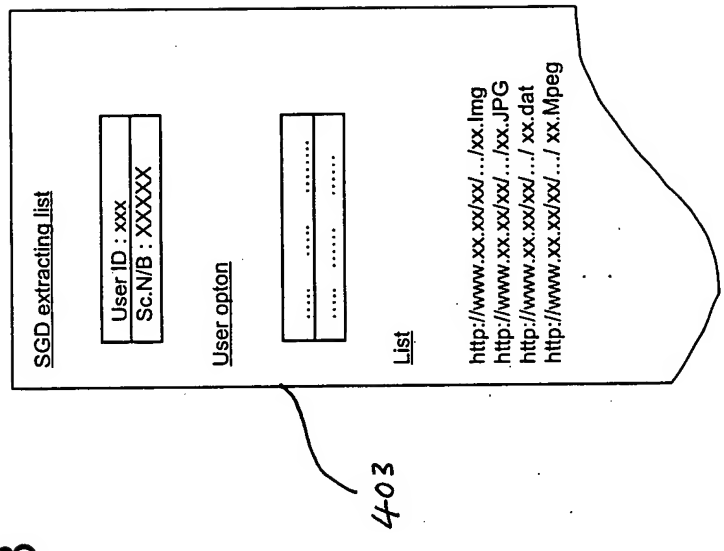

SGD extracting list
C:/WORK/.../xx.Img
C:/WORK/.../xx.JPG
C:/WORK/.../xx.dat
C:/WORK/.../xx.Mpeg
402

FIG. 7

FIG. 8


SGD extracting list
User ID : xxx
Sc.N/B : XXXXX
User opton
List
http://www.xx.xx/xx/.../xx.Img
http://www.xx.xx/xx/.../xx.JPG
http://www.xx.xx/xx/.../ xx.dat
http://www.xx.xx/xx/.../ xx.Mpeg
403